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PATENT

Our Docket: P-TB 4568

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of)
Daniel S. Sem)

Serial No: 09/765,693)

Filed: January 19, 2001)

For: MULTI-PARTITE LIGANDS)
AND METHODS OF)
IDENTIFYING AND)
USING SAME)

Group Art Unit: 1627

Examiner: M. Garcia

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Washington, D.C., 20231 on November 9, 2001.

By: Kimberly J. Prior
Kimberly J. Prior, Reg. No. 41,483

Commissioner for Patents
Washington, D.C. 20231

November 9, 2001
Date of Signature

RESPONSE TO RESTRICTION REQUIREMENT

Responsive to the restriction requirement mailed October 10, 2001, consideration of the following remarks is respectfully requested.

Claims 15-19 are under examination and have been restricted under 35 U.S.C. § 121 into the following species:

Species of receptor

- A. Kinase
- B. Dehydrogenase
- C. Oxidoreductase
- D. GTPase
- E. Carboxyl transferase
- F. Acyl transferase
- G. Decarboxylase

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- H. Transaminase
- I. Racemase
- J. Methyl transferase
- K. Formyl transferase
- L. α -ketodecarboxylase

Species of cofactor

- A. Adenosine triphosphate
- B. Nicotinamide adenine dinucleotide
- C. Nicotinamide adenine dinucleotide phosphate
- D. Thiamine pyrophosphate
- E. Flavin adenine dinucleotide
- F. Flavin mononucleotide
- G. Pyridoxal phosphate
- H. Coenzyme A
- I. Tetrahydrofolate adenosine triphosphate
- J. Guanosine triphosphate
- K. S-adenosyl methionine

The Office Action requires that one species from each of these two groups be elected for examination. Applicant elects the species of receptor as dehydrogenase and the species of cofactor as nicotinamide adenine dinucleotide.

The Office Action states that the species are distinct, each from the other, because their structures, modes of action, and reactivity to one another and to certain cofactors and enzymes are different. Applicant requests that the species nicotinamide adenine dinucleotide phosphate (NADP) be examined

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with the elected species, NAD. These two compounds have similar structure and function. Additionally, many enzymes bind and use these compounds interchangeably. Therefore, these two species should be searched and examined together.

Further, applicant understands that the election of a single disclosed species is a provisional election and that if no prior art is found which anticipates or renders obvious the elected species, search of the claims will be extended to the extent necessary to determine patentability of the generic claims.

The Office Action also requests that all claims readable on the elected species be indicated. It is respectfully submitted that the claims readable on the receptor species dehydrogenase are claims 15-19. The claims readable on the cofactor species nicotinamide adenine dinucleotide are claims 15-19.

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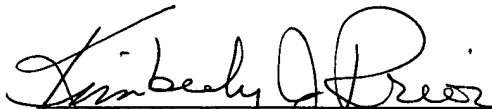
CONCLUSION

The Examiner is invited to call the undersigned attorney or Cathryn Campbell if there are any questions.

Respectfully submitted,

November 9, 2001

Date



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